



DEPARTMENT OF WATER RESOURCES  
DEPARTMENT OF CONSERVATION  
EXAMINATION ANNOUNCEMENT

An equal opportunity employer to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the state of California to achieve a drug-free state workplace. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public

SENIOR ENGINEERING GEOLOGIST  
MULTI-DEPARTMENTAL OPEN

DEPARTMENT OF WATER RESOURCES AND DEPARTMENT OF CONSERVATION

FINAL FILING DATE	September 2, 2011 Application forms (STD 678 Rev. 6/2010) must be <b>POSTMARKED</b> no later than the final filing date. Applications postmarked, personally delivered, or received via interoffice mail after the final filing date <b>will not be accepted for any reason</b> . FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED.
WHO SHOULD APPLY	This is an open examination. Applications will not be accepted on a promotional basis. Career credits do not apply.
HOW TO APPLY	<p>You must complete the Examination Application Form (STD 678 Rev. 6/2010) by the Final Filing Date, September 2, 2011. Submit the completed Examination Application Form by mail or in person.</p> <p><b>DEPARTMENT OF CONSERVATION:</b></p> <p>❖ <b>MAILING ADDRESS or SUBMIT IN PERSON:</b> Department of Conservation Human Resources Office 801 K Street, MS 22-13 Sacramento, CA 95814</p> <p><b>DEPARTMENT OF WATER RESOURCES:</b></p> <p>❖ <b>MAILING ADDRESS:</b> Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</p> <p><b>SUBMIT IN PERSON:</b> Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</p> <p><b>DO NOT MAIL EXAMINATION APPLICATIONS TO THE STATE PERSONNEL BOARD, DEPARTMENT OF WATER RESOURCES OR DEPARTMENT OF CONSERVATION FIELD OFFICES. Only submit applications to one of the above addresses.</b> Examination Applications are available at Department of Water Resources (DWR) and the Department of Conservation (DOC) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a>, the DOC website: <a href="http://www.conservation.ca.gov">www.conservation.ca.gov</a>, local office of the Employment Development Department, SPB, and the SPB website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a>.</p>
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.
SALARY RANGE	Range A: \$8122 - \$9870 Range B: \$7377 - \$8965
ELIGIBLE LIST INFORMATION	An eligible list will be established for the Department of Water Resources and the Department of Conservation. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
EXAMINATION DATES	The entire examination will consist of a Supplemental Application and a Qualifications Appraisal Interview. It is anticipated interviews will be held during <b>October/November 2011</b> .
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p><b>NOTE:</b> All applicants must meet the minimum qualifications for this examination by the final filing date, <b>September 2, 2011</b>. Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p> <p style="text-align: center;"><b>Either I</b></p> <p><b>Experience:</b> Two years of experience performing the duties of an Engineering Geologist, Range D, in the California state service.</p> <p style="text-align: center;"><b>Or II</b></p> <p><b>Experience:</b> Five years of professional engineering geological experience involving the performance of increasingly responsible duties, at least two years of which shall have been comparable in level and responsibility to an Engineering Geologist, Range D, in the California state service. (A master's degree with major work in geology or engineering geology may be substituted for one year of the required experience. Possession of a doctorate degree in one of the fields identified above may be substituted for two years of the general experience.)</p> <p style="text-align: center;"><b>And</b></p> <p><b>Education:</b> Equivalent to graduation from college with major work in geology, engineering geology, or a closely related field that includes coursework in geology. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) (Registration as a senior in a recognized institution will admit applicants to the Engineering Geologist examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)</p> <p style="text-align: center;"><b>And</b></p> <p>Possession of a valid certificate of registration as a geologist or geophysicist issued by the California Board for Professional Engineers, Land Surveyors, and Geologists is required for appointment to the Senior Engineering Geologist level and above.</p>
POSITION DESCRIPTION	<p>Under direction, a Senior Engineering Geologist plans, organizes, and directs engineering geological studies and investigations and independently performs difficult engineering geological work and does other related work. Engineering geological studies may include, but are not limited to groundwater resource studies, integrated surface water studies, faulting and seismicity studies, geotechnical foundation exploration studies, other geologic hazard studies (such as slope failure and subsidence analyses), construction geology studies, construction materials evaluations, and performance of engineering structures (dams and levees). The Senior Engineering Geologist is either (1) a first-line unit supervisor; or (2) a nonsupervisory staff specialist assigned to perform the most complex and technical engineering geologic assignments. The senior level is the first level to which administrative responsibility is assigned.</p> <p><b>Positions exist statewide with the Department of Water Resources and the Department of Conservation.</b></p>
EXAMINATION INFORMATION	This examination will consist of a Supplemental Application weighted pass/fail and a Qualifications Appraisal Interview weighted 100.00%. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. <b>COMPETITORS WHO DO NOT SUBMIT THE SUPPLEMENTAL APPLICATION OR WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</b>

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION



SCOPE OF EXAMINATION

This examination will consist of a **Supplemental Application - Weighted Pass/Fail** and a **Qualifications Appraisal Interview Weighted 100.00%**. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview.

**Supplemental Application – Weighted PASS/FAIL**

Each applicant must complete and submit his/her response to the Supplemental Question according to the instructions below, **by the final file date of September 2, 2011**. Applications received **without** the response to the Supplemental Question will be eliminated from the examination process.

**SUPPLEMENTAL QUESTION**

Please describe your technical experience, and leadership experience that qualify you as a Senior Engineering Geologist as it relates to **one** of the following:

- a. Geologic Hazards and Resources Evaluation and Mapping
- b. Water Resource Management
- c. Water Storage and Conveyance Structures

Please identify which item you are responding to.

**GUIDELINES FOR RESPONDING TO THE SUPPLEMENTAL QUESTION**

When responding to the Supplemental Question, please follow the guidelines below:

- Your responses must be typewritten or generated by computer on 8 ½ x 11" paper.
- Your response for the question must **not** exceed **one (1)** typed page (12 point font).
- Put the **examination title** and **last six digits of your social security number** at the top of the page (**Please do not put your name**).
- Make sure your response is **complete, specific, clear and concise**. Please indicate the duration of your experience, education, and/or training.
- Your response will be independently evaluated; therefore, it is important that you provide a complete response to the question by providing a written description of the relevant education, experience and training you have had in relation to the Knowledge and Abilities described in the examination announcement and discuss how these qualify you to carry out the responsibilities of a Senior Engineering Geologist at the Department of Conservation and/or the Department of Water Resources.
- The relevance and quality of your educational and length of professional experience, as described in the written response, will be evaluated and scored as well as clarity, succinctness, and organization of the written response itself.

**NOTE:** Resumes, letters and other material **WILL NOT** be evaluated or considered as responses to the Supplemental Items.

**QUALIFICATIONS APPRAISAL INTERVIEW – WEIGHTED 100.00%**

In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining the supplemental application and oral interview will be on measuring competitively, relative to job demands, each competitor's:

**A. Knowledge of:**

1. Stratigraphic, structural, historical, and economic geology as related to civil engineering projects.
2. Geological and geomorphic processes and survey techniques, equipment, and procedures.
3. Fundamental principles of mineralogy, petrology, plate tectonics, seismology, soil mechanics, and hydrogeology.
4. Photogeology, geological mapping and drafting, and the application of geology to engineering problems.
5. Grouting methods, techniques, and equipment.
6. Geological literature.
7. Subsurface exploration, sampling, and well construction procedures.
8. Principles of effective supervision, personnel management, and budget preparation.
9. The department's Equal Employment Opportunity Program objectives.
10. A supervisor's responsibility for promoting equal opportunity in hiring and employment development and promotion, and for maintaining a work environment free of discrimination and harassment.
11. Methods and techniques of effective leadership.
12. General administrative processes.

**B. Ability to:**

1. Conduct geological and geophysical exploration investigations.
2. Make, record, and evaluate observations on geological engineering problems.
3. Analyze situations accurately and take effective action.
4. Prepare and analyze technical reports.
5. Prepare plans, specifications, and estimates for geological and geophysical exploration.
6. Perform independent technical research work and maintain cooperative relationships with those contacted in the work.
7. Delegate work to others, direct the work of others, and motivate others to work effectively.
8. Effectively contribute to the department's Equal Employment Opportunity Program objectives.
9. Coordinate and develop cooperative work with other State, federal, tribal, and local agencies.
10. Prepare and present information to various committees, boards, and the general public.

**ADDITIONAL DESIRABLE QUALIFICATIONS**

Course work in engineering geology; willingness to travel in performing field work throughout the State; course work and/or experience in engineering, water resource management, hydraulics, and/or hydrogeology; and in addition to registration as a geologist, certification as an engineering geologist and/or hydrogeologist.

**VETERANS REFERENCE**

**Veterans Preference Credit** will not be granted in this examination, as it does not qualify as an entrance examination under the law.

**GENERAL INFORMATION**

The Department of Water Resources and Department of Conservation reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-3921 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) offices, the DWR website: [www.water.ca.gov/jobs/currentexams.cfm](http://www.water.ca.gov/jobs/currentexams.cfm), at Department of Conservation website: <http://www.conservation.ca.gov/index/Pages/jobs.aspx>, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: [www.jobs.ca.gov](http://www.jobs.ca.gov).

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. Locations of interviews may be limited or extended as conditions warrant.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

**TDD** is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. **California Relay Telephone Service** for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.

For information regarding this examination, please contact Mary Jo Schall at Department of Water Resources (916) 653-4927 or Theresa Xavier at the Department of Conservation (916) 322-6412.

O (Rev. 7/11)

(MJS)